

# Process Safety Engineering

## Engineering and advice for process safety excellence—everywhere

Staying at the forefront of process safety excellence involves skillfully navigating the crossroads of people and technology. We provide comprehensive engineering and advisory services—from explosion risk analysis to safety measure selection and design. Our professionals are proven thought leaders, experienced in what to look for and how to find it. Combined with our world-class laboratory testing services and a global expert base fluent in local codes, standards and cultures, your organization gains the knowledge and information you need to develop comprehensive strategies for safety, make informed decisions, and act swiftly and decisively to protect the human element in everything you do.



# How we do it

## Explosion risks and major hazards: Protecting against catastrophic harm

Our experts help you identify the potential for catastrophic failures before they can occur. Drawing on a thorough knowledge of regulations, a deep understanding of risk assessment, and the experience and ability to customize testing, we provide the information that matters.

## Process Hazard Analysis: Insight for complex processes

Whether you're navigating the design stages of a new process or project, making major process modifications or simply performing a periodic review of existing operations, a good process hazard analysis (PHA) such as HAZOP can help you make the right decisions. Our experts bring years of experience in both HAZOP and industry-specific processes to their work, giving you the confidence that you understand all the risks involved in even the most complex process.

## Consequence Analysis: Seeing risk before it hits

Quantitative risk analysis is increasingly moving to the forefront of safety strategy for many organizations. We use experienced judgment and cutting-edge programs that allow our clients to limit exposures and make safety a priority for those who work for and with them.

## Safety Measure Selection and Design: The right tools for the job

Every day, organizations in the process industries perform work that requires operating within precise parameters. Our experts draw on deep hazard protection experience and custom lab data to help you identify the right tools for the job and allow you to get back to focusing on your business.

## Incident Investigation/ Testimony: Assuring integrity

Today's litigious environment demands that every "good faith" investigation use scientifically acceptable practices that will withstand the highest scrutiny. Our respected staff of scientists and engineers provides the experience, knowledge and laboratory testing to bring your investigation to a proven conclusion.



### About Us

We are consultants and business partners to many of the world's largest chemical, oil and gas, transportation, utility, pharmaceutical, and agriculture companies. Through a transformational approach, we guide clients in evolving both their organizational culture and their operational environment, enabling them to reduce exposures and injuries, save lives, protect assets—and in the process, achieve higher performance. DEKRA Insight represents the collective expertise of our legacy businesses, each an institution in safety.

[www.dekra-insight.com](http://www.dekra-insight.com)

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